

检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 1 of 14

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SUIN2206006063MR-01

客户名称: 苏州栢槿高新材料技术有限公司
客户地址: 苏州市工业园区唯新路 69 号, 一能科技园 5-202

样品名称 : 赛力丰树脂 SF-24W

以上信息及样品由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性的责任。

SGS 参考号 : SUIN2206006013PS

收样日期 : 2022-06-15

测试开始时间 : 2022-06-15

测试结束时间 : 2022-10-26

测试结果 : 请见下页 (除另有特别说明外, 此报告结果仅对测试样品负责)

通标标准技术服务有限公司苏州分公司
授权签名

杨亚坤

授权签字人



SGS-CS Standards Technical Services Co., Ltd.
Suzhou Branch (Institutional Seal)

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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 2 of 14

结果总结:

| 序号 | 测试项目 | 测试方法 | 结果 | 结论 |
|----|---------|------------------------------------|-------|----|
| 1 | 弯曲测试 | GB/T 1449-2005 | 见结果 | / |
| 2 | 拉伸测试 | GB/T 1447-2005 | 见结果 | / |
| 3 | 耐化学介质性能 | GB/T 1449-2005 & GB/T 3857-2005 | 见结果 | / |
| 4 | 氧指数 | GB/T 8924-2005 | 45.7% | / |

备注: 合格: 达到要求
 不合格: 未达到要求

原样照片:



检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 3 of 14



硫酸



氢氧化钠



金龙鱼葵花籽油



92# 汽油



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 4 of 14



肥皂



洗涤剂



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Suzhou Branch (Institutional, Laboratory)

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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 5 of 14

1. 测试项目: 弯曲测试

样品描述: 米色样品

测试方法: GB/T 1449-2005

测试条件:

试样: 100 mm × 15.399 mm × 5.259 mm

弯曲模量-测试速度: 2 mm/min

弯曲强度-测试速度: 10 mm/min

跨距: 75 mm

实验室环境条件: 23 ± 2 °C, 50 ± 5 %RH

测试结果:

| 测试项目 | 测试结果 |
|-----------|----------|
| 弯曲模量 | 9650 MPa |
| 弯曲强度 | 129 MPa |
| 首次断裂时弯曲应变 | 1.54 % |

备注: 测试试样从样品中裁取。



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 6 of 14

样品照片:



设备信息:

| 设备 | 型号 | 设备编号 | 校准日期 | 下次校准日期 |
|---------|------|-----------|------------|------------|
| 万能材料试验机 | Z010 | SUZMR-049 | 2022-01-27 | 2023-01-26 |



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 7 of 14

2. 测试项目: 拉伸测试

样品描述: 米色样品

测试方法: GB/T 1447-2005

测试条件:

试样: I 型

试样厚度: 4.950 mm

模量阶段测试速度: 2 mm/min

强度阶段测试速度: 10 mm/min

标距: 50 mm

夹头距离: 115 mm

实验室环境条件: 23 ± 2 °C, 50 ± 5 %RH

测试结果:

| 测试项目 | 测试结果 |
|------|----------|
| 拉伸强度 | 153 MPa |
| 拉伸模量 | 7340 MPa |

备注: 测试试样从样品中截取。



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 8 of 14

样品照片:



设备信息:

| 设备 | 型号 | 设备编号 | 校准日期 | 下次校准日期 |
|-------|------|-----------|------------|------------|
| 万能试验机 | 5969 | SUZMR-197 | 2022-05-06 | 2023-05-05 |



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 9 of 14

3. 测试项目: 耐化学介质性能

样品描述: 米色样品

测试方法: GB/T 3857-2005

客户要求: 常温试验期龄为 28 d

测试条件:

浸泡条件 1: 1 %质量浓度硝酸溶液, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 2: 5 %质量浓度硫酸溶液, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 3: 0.5 %质量浓度氢氧化钠溶液, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 4: 金龙鱼葵花籽油, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 5: 92#汽油, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 6: 0.1 %质量浓度肥皂水溶液, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

浸泡条件 7: 0.1 %质量浓度洗涤剂溶液, 常温, 28 d → 23 ± 2 °C, 50 ± 5 %RH, 30 min → 密封保存 48 h

测试结果:

| 浸泡条件 | 测试项目 | 测试条件 | 测试结果 | |
|---------------------|------|--|--------|----------|
| 1 %质量 浓度硝酸 溶液 | 弯曲模量 | 试样: 100 mm × 15.295 mm × 4.354 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 8420 MPa |
| | | | 保留率 | 87 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 111 MPa |
| | | | 保留率 | 86 % |



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 10 of 14

| 浸泡条件 | 测试项目 | 测试条件 | 测试结果 | |
|-----------------------------|------|--|--------|----------|
| 5 %质量 浓度硫酸 溶液 | 弯曲模量 | 试样: 100 mm × 15.163 mm × 4.417 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 7920 MPa |
| | | | 保留率 | 82 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 116 MPa |
| | | | 保留率 | 90 % |
| 0.5 %质 量浓度氢 氧化钠溶 液 | 弯曲模量 | 试样: 100 mm × 15.267 mm × 4.494 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 7520 MPa |
| | | | 保留率 | 78 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 113 MPa |
| | | | 保留率 | 88 % |
| 金龙鱼葵 花籽油 | 弯曲模量 | 试样: 100 mm × 15.260 mm × 5.142 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 9820 MPa |
| | | | 保留率 | 102 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 138 MPa |
| | | | 保留率 | 107 % |



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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 11 of 14

| 浸泡条件 | 测试项目 | 测试条件 | 测试结果 | |
|----------------|------|--|--------|----------|
| 92#汽油 | 弯曲模量 | 试样: 100 mm × 15.250 mm × 4.496 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 7780 MPa |
| | | | 保留率 | 81 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 106 MPa |
| | | | 保留率 | 82 % |
| 0.1 %质量浓度肥皂水溶液 | 弯曲模量 | 试样: 100 mm × 15.313 mm × 5.163 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 9350 MPa |
| | | | 保留率 | 97 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 123 MPa |
| | | | 保留率 | 95 % |
| 0.1 %质量浓度洗涤剂溶液 | 弯曲模量 | 试样: 100 mm × 15.264 mm × 5.178 mm 弯曲模量-测试速度: 2 mm/min 弯曲强度-测试速度: 10 mm/min 跨距: 75 mm | 常态 | 9650 MPa |
| | | | 耐化学介质后 | 8780 MPa |
| | | | 保留率 | 91 % |
| | 弯曲强度 | | 常态 | 129 MPa |
| | | | 耐化学介质后 | 127 MPa |
| | | | 保留率 | 98 % |

备注:

1. 保留率, % = 耐化学介质后的值 / 浸泡前的值 × 100;
2. 测试试样从样品中截取。
3. 浸泡条件 1、2、3、5 的弯曲模量测试样条是客户第二次送样



SGS-CS (China) Standards Technical Services Co., Ltd.
Suzhou Branch (Institutional Seal Pending)

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检测报告

编号 : SUIN2206006063MR-01_CN

日期 : 2022-10-26

页码 : 12 of 14

样品照片:



设备信息:

| 设备 | 型号 | 设备编号 | 校准日期 | 下次校准日期 |
|---------|------|-----------|------------|------------|
| 万能材料试验机 | Z010 | SUZMR-049 | 2022-01-27 | 2023-01-26 |



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页码 : 13 of 14

4.测试项目: 氧指数

样品描述: 样条

测试方法: GB/T 8924-2005

测试条件:

试样: 100mm×6.7 mm×4.97mm

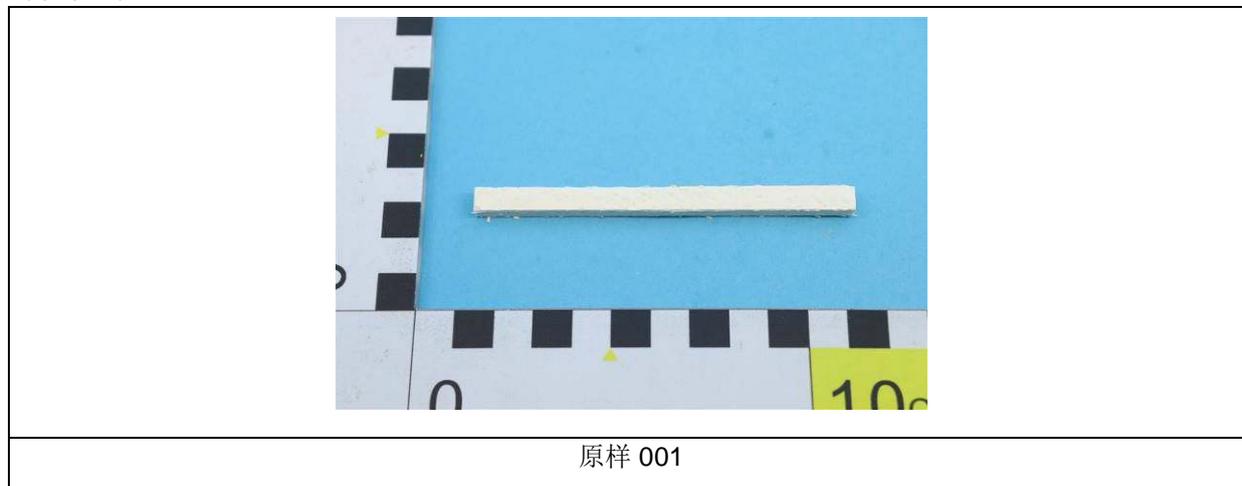
实验室环境条件: (23±2)°C, (50±5)%RH

测试结果:

| 测试项目 | 测试结果 |
|------|-------|
| 氧指数 | 45.7% |

备注: 燃烧现象: 烧焦, 余辉。

测试照片:



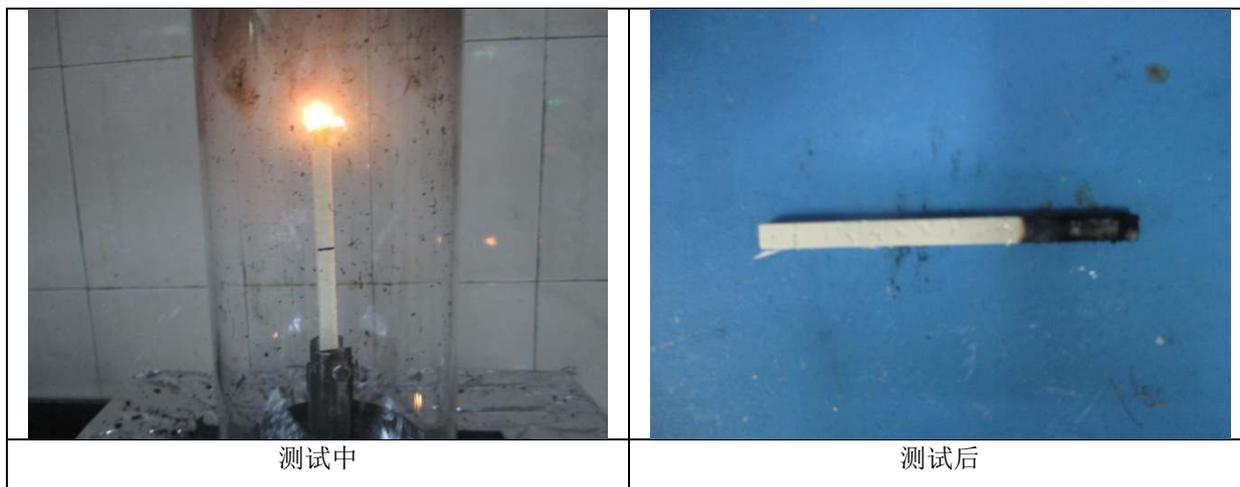
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页码 : 14 of 14



设备信息:

| 设备 | 型号 | 设备编号 | 校准日期 | 下次校准日期 |
|----------|--------------|--------------|------------|------------|
| FTT 氧指数仪 | Oxygen Index | GZMR-PL-E108 | 2022-01-24 | 2022-07-23 |

- 测试项目 4 由通标标准技术服务有限公司广州分公司执行。
- 该检测报告由 SGS 通标标准技术服务有限公司苏州分公司发布。
- 该检测报告取消并取代由 SGS 通标标准技术服务有限公司苏州分公司发布的检测报告，编号：SUIN2209006063MR 日期：2022-09-26。对测试项目 3 中的测试条件进行了修改。
- 检测方法部分/全部不在 CMA 资质认定范围内，本检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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